

DOCKET NO.: CEPH-1422

RECEIVED
OCT 27 1983
PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Russell A. Brierley, Joan N. Abrams, John

M. Hanson, Francis C. Maslanka, Cynthia

Cowgill, Luis Juarbe-Osorio, Patricio

Riquelme, Glenn Dorin

For: IGF-I PURIFICATION PROCESS

DECLARATION

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is for the following type of application:

(check one applicable item below)

☐ Original

☐ Divisional

☒ Continuation

☐ U.S. National Stage of PCT

☐ Continuation-in-Part

My residence, post office address and citizenship are as stated below next to my name; and I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

☒ Utility Patent

☐ Design Patent

is sought on the invention, whose title appears above, the specification of which:

☐ is attached hereto

- ☒ was filed on July 12, 2000, as U.S. Serial Number 09/614,947
- ☒ and was amended on December 18, 2001, April 24, 2002 and January 29, 2003.
- ☐ was described and claimed in PCT International Application Number _____, filed on _____ and as amended under PCT Article 19 on _____ and/or PCT Article 34 on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to the patentability of this application in accordance with 37 CFR § 1.56.

**DISCLOSURE AND/OR CLAIM FOR PRIORITY UNDER
35 U.S.C. §§ 119(a)-(d) OF FOREIGN APPLICATIONS
FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN)
OF THIS APPLICATION**

I hereby claim foreign priority benefits under Title 35, United States Code §§ 119(a)-(d) of any foreign applications for patent, inventor's certificate or PCT international application designating at least one country other than the United States of America listed below and have also identified below any foreign application for patent, inventor's certificate or any PCT international application designating at least one country other than the United States of America filed by me on the same subject matter having a filing date before that of the application(s) of which priority is claimed.

Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)	Priority Claimed Under 37 USC § 119a-d			
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

**DISCLOSURE OF FOREIGN APPLICATION(S) IF ANY,
FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN)
PRIOR TO THE FILING OF THIS APPLICATION**

Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)

**CLAIM FOR PRIORITY OF UNITED STATES APPLICATIONS
OR PCT APPLICATIONS FILED
IN THE UNITED STATES RECEIVING OFFICE
UNDER 35 U.S.C. § 120**

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose to the U.S. Patent and Trademark Office all information known to be material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application No.	Date Filed	Status Patented/Pending/Abandoned
08/851,162	May 5, 1997	Patented
08/422,436	April 14, 1995	Patented

DOCKET NO.: CEPH-1422

- 4 -

PATENT

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
UNDER 35 U.S.C. § 119(e)

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application No.	Filing Date

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first joint inventor

Russell

(Given Name)

A.

(Middle Initial or Name)

Brierley

(Family or last name)

City/State of Actual Residence: West Chester, Pennsylvania

Mailing Address:

1297 Kirkland Avenue

West Chester, Pennsylvania 19380

Country of Citizenship: United States of America

Inventor's signature: _____



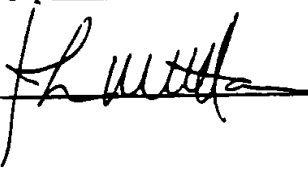
Date: _____

9/6/03

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of second joint inventorJoan*(Given Name)*N.*(Middle Initial or Name)*Abrams*(Family or last name)***City/State of Actual Residence:** Downingtown, Pennsylvania**Mailing Address:**464 Brookwood DriveDowningtown, Pennsylvania 19335**Country of Citizenship:** United States of America**Inventor's signature:***Joan Abrams***Date:**30 Sep 03

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of third joint inventor**John**
(Given Name)**M.**
(Middle Initial or Name)**Hanson**
(Family or last name)**City/State of Actual Residence:** Encinitas, California**Mailing Address:** 1019 Elmview Drive
Encinitas, California 92024-5236**Country of Citizenship:** United States of America**Inventor's signature:** **Date:** 9/22/03

DOCKET NO.: CEPH-1422

- 7 -

PATENT

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of fourth joint inventor

Francis

(Given Name)

C.

(Middle Initial or Name)

Maslanka

(Family or last name)

City/State of Actual Residence: West Chester, Pennsylvania

Mailing Address:

607 Lorient Drive

West Chester, Pennsylvania 19382

Downingtown

236 Montpelier Drive

19335

22 Oct 03

Country of Citizenship: United States of America

Inventor's signature:

J. Maslanka

Date: 22 Oct 03

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of fifth joint inventor

Cynthia

(Given Name)

(Middle Initial or Name)

Cowgill

(Family or last name)

City/State of Actual Residence: Berkeley, California

Mailing Address:

255 Buena Vista Way
Berkeley, California 94708

Country of Citizenship: United States of America

Inventor's signature: _____

Date: _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sixth joint inventor

Luis

(Given Name)

(Middle Initial or Name)

Juarbe-Osorio

(Family or last name)

City/State of Actual Residence: San Francisco, California

Mailing Address: 1724 Alabama Street
San Francisco, California 94110

Country of Citizenship: United States of America

Inventor's signature: _____

Date: _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of seventh joint inventor

Patricio

(Given Name)

(Middle Initial or Name)

Riquelme

(Family or last name)

City/State of Actual Residence: Walnut Creek, California

Mailing Address:

197 Gorvon Road

Walnut Creek, California 94598

Country of Citizenship: Chile

Inventor's signature: _____

Date: _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of eighth joint inventor

Glenn

(Given Name)

Dorin

(Middle Initial or Name)

(Family or last name)

City/State of Actual Residence: San Rafael, California

Mailing Address: 34 Belle Avenue
San Rafael, California 94901

Country of Citizenship: United States of America

Inventor's signature: _____

Date: _____

DOCKET NO.: CEPH-1422

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Russell A. Brierley, Joan N. Abrams, John

M. Hanson, Francis C. Maslanka, Cynthia

Cowgill, Luis Juarbe-Osorio, Patricio

Riquelme, Glenn Dorin

For: IGF-I PURIFICATION PROCESS

DECLARATION

As a below named inventor, I hereby declare that:

TYPE OF DECLARATION

This declaration is for the following type of application:

(check one applicable item below)

- | | |
|--|---|
| <input type="checkbox"/> Original | <input type="checkbox"/> Divisional |
| <input checked="" type="checkbox"/> Continuation | <input type="checkbox"/> U.S. National Stage of PCT |
| <input type="checkbox"/> Continuation-in-Part | |

My residence, post office address and citizenship are as stated below next to my name; and I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a

- | | |
|--|--|
| <input checked="" type="checkbox"/> Utility Patent | <input type="checkbox"/> Design Patent |
|--|--|

is sought on the invention, whose title appears above, the specification of which:

- ☐ is attached hereto

- ☒ was filed on **July 12, 2000**, as U.S. Serial Number **09/614,947**
- ☒ and was amended on **December 18, 2001, April 24, 2002 and January 29, 2003.**
- ☐ was described and claimed in PCT International Application Number _____, filed on _____ and as amended under PCT Article 19 on _____ and/or PCT Article 34 on _____.

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Country (or indicate if PCT)	Application Number	Date of Filing (day, month, year)	Priority Claimed Under 37 USC § 119a-d			
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

**DISCLOSURE OF FOREIGN APPLICATION(S) IF ANY,
FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN)
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Application No.	Date Filed	Status Patented/Pending/Abandoned
08/851,162	May 5, 1997	Patented
08/422,436	April 14, 1995	Patented

**CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)
UNDER 35 U.S.C. § 119(e)**

I hereby claim the benefit under Title 35, United States Code, § 119(e) of any United States provisional application(s) listed below:

Provisional Application No.	Filing Date

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first joint inventor

Russell

(Given Name)

A.

(Middle Initial or Name)

Brierley

(Family or last name)

City/State of Actual Residence: **West Chester, Pennsylvania**

Mailing Address:

1297 Kirkland Avenue

West Chester, Pennsylvania 19380

Country of Citizenship: **United States of America**

Inventor's signature: _____

Date: _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of second joint inventorJoan*(Given Name)*N.*(Middle Initial or Name)*Abrams*(Family or last name)***City/State of Actual Residence:** Downingtown, Pennsylvania**Mailing Address:**464 Brookwood DriveDowningtown, Pennsylvania 19335**Country of Citizenship:** United States of America**Inventor's signature:** _____**Date:** _____

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Full name of third joint inventorJohn*(Given Name)*M.*(Middle Initial or Name)*Hanson*(Family or last name)***City/State of Actual Residence:** Encinitas, California**Mailing Address:**1019 Elmview DriveEncinitas, California 92024-5236**Country of Citizenship:** United States of America**Inventor's signature:** _____**Date:** _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of fourth joint inventor

Francis

(Given Name)

C.

(Middle Initial or Name)

Maslanka

(Family or last name)

City/State of Actual Residence: **West Chester, Pennsylvania**

Mailing Address:

607 Lorient Drive

West Chester, Pennsylvania 19382

Country of Citizenship: **United States of America**

Inventor's signature: _____

Date: _____

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of fifth joint inventorCynthia

(Given Name)

(Middle Initial or Name)

Cowgill

(Family or last name)

City/State of Actual Residence: Berkeley, California2555 00 04Apr03

Mailing Address:

255 Buena Vista Way
Berkeley, California 94708Country of Citizenship: United States of AmericaInventor's signature: x Cynthia CowgillDate: x 04Apr03

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sixth joint inventor *143 25 Apr 03*

Luis

(Given Name)

- G.

(Middle Initial or Name)

Juarbe-Osorio

(Family or last name)

City/State of Actual Residence: San Francisco, California

Mailing Address:

1724 Alabama Street

San Francisco, California 94110

Country of Citizenship: United States of America

Inventor's signature:

Luis G. Juarbe-Osorio

Date:

25 April 2003

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of seventh joint inventor

Patricio

(Given Name)

(Middle Initial or Name)

Riquelme

(Family or last name)

City/State of Actual Residence: Walnut Creek, California

Mailing Address:

197 Goryon Road

Walnut Creek, California 94598

Country of Citizenship: Chile

Inventor's signature: Patricio Riquelme

Date: 9 April 2003

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of eighth joint inventor

Glenn

(Given Name)

Dorin

(Middle Initial or Name)

(Family or last name)

City/State of Actual Residence: San Rafael, California

Mailing Address:

34 Belle Avenue

San Rafael, California 94901

Country of Citizenship: United States of America

Inventor's signature: 

Date: 31 March 03

DOCKET NO.: CEPH-1422

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Russell A. Brierley, Joan N. Abrams, John

M. Hanson, Francis C. Maslanka, Cynthia

Cowgill, Luis Juarbe-Osorio, Patricio

Riquelme, Glenn Dorin

Confirmation No.: 2510

Serial No.: 09/614,947

Group Art Unit: 1647

Filing Date: July 12, 2000

Examiner: C. J. Saoud

For: IGF-I PURIFICATION PROCESS

Dear Sir:

ASSIGNEE POWER OF ATTORNEY

The undersigned being duly authorized by **Chiron Corporation**, hereby appoints all the practitioners associated with Customer Number 23377 (which is the Customer Number given to Woodcock Washburn LLP) to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith. Each practitioner associated with Customer Number 23377 is an attorney registered before the United States Patent and Trademark Office. A Statement Under 3.73(b) is attached hereto.



23377

PATENT TRADEMARK OFFICE

Please direct all future correspondence to Suzanne E. Miller, Esq. at the correspondence address associated with Customer Number 23377.

Chiron Corporation

Date: June 18, 2003

BY: 

Joseph H. Guth

**Vice President and Associate Chief Patent Counsel
Assistant Secretary**

DOCKET NO.: CEPH-1422

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Russell A. Brierley, Joan N. Abrams, John
M. Hanson, Francis C. Maslanka, Cynthia
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Filing Date: July 12, 2000

Examiner: Christine J. Saoud

For: IGF-I PURIFICATION PROCESS

Commissioner for Patents and Trademarks
Washington DC 20231

CONSENT OF ASSIGNEE TO CHANGE OF INVENTORSHIP
IN PATENT APPLICATION PURSUANT TO 1.48(a)(5) OR (c)(5)

CEPHALON, INC.

(type or print name of assignee)

owner by assignment of the above patent application

- ☐ in the assignment being recorded concurrently herewith
☒ in the assignment recorded in the PTO on May 18, 1995.

Frame 7479

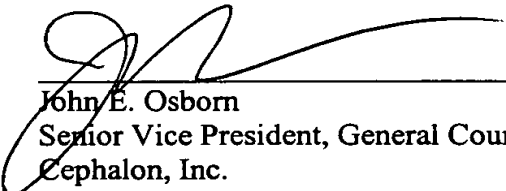
Reel 0076

hereby consents to the amendment of the inventorship of this patent application as requested

- ☒ in the Request For Correction Of Inventorship Of Patent Application
☐ in the papers mailed to the PTO on

Date:

1/10/03


John E. Osborn

Senior Vice President, General Counsel & Secretary
Cephalon, Inc.
145 Brandywine Parkway
West Chester, Pennsylvania, 19380

DOCKET NO.: CEPH-1422

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**In Re Application of:
Russell A. Brierley et al.**

Serial No.: 09/614,947

Filing Date: July 12, 2000

For: IGF-I PURIFICATION PROCESS

Confirmation No.: 2510

Group Art Unit: 1647

Examiner: Christine J. Saoud

Commissioner of Patents and Trademarks
Washington DC 20231

STATEMENT UNDER 37 CFR § 3.73(b)

Cephalon, Inc., a corporation of the State of Delaware,

states that it is:

☐ the assignee of the entire right, title, and interest; or

☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above.

☒ 1. The assignment was recorded in the Patent and Trademark Office at Reel 7479, Frame(s) 0076.

☐ 2. The assignment has not yet been recorded. A copy of the assignment is attached.

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

DOCKET NO.: CEPH-1422

- 2 -


PATENT

- i. From: To: The document was recorded in the Patent and
Trademark Office at Reel , Frame(s) , or for which a copy thereof is
attached.
- ii. From: To: The document was recorded in the Patent and
Trademark Office at Reel , Frame(s) , or for which a copy thereof is
attached.
- iii. From: To: The document was recorded in the Patent and
Trademark Office at Reel , Frame(s) , or for which a copy thereof is
attached.

- ☐ Additional documents in the chain of title are listed on a supplemental sheet.
- ☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: 1/10/03



Signature
Name: John E. Osborn
Title: Senior Vice President,
General Counsel & Secretary
Cephalon, Inc.
145 Brandywine Parkway
West Chester, Pennsylvania 19380

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Russell A. Brierly, Joan N. Abrams, John
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Examiner: Christine J. Saoud

Serial No.: 09/614,947

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Commissioner for Patents and Trademarks
Washington DC 20231

CONSENT OF ASSIGNEE TO CHANGE OF INVENTORSHIP
IN PATENT APPLICATION PURSUANT TO 1.48(a)(5) OR (c)(5)

CHIRON CORPORATION.
(type or print name of assignee)

owner by assignment of the above patent application

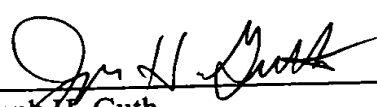
- ☒ in the assignment being recorded concurrently herewith
☐ in the assignment recorded in the PTO on

Frame
Reel

hereby consents to the amendment of the inventorship of this patent application as requested

- ☒ in the Request For Correction Of Inventorship Of Patent Application
☐ in the papers mailed to the PTO on

Date: June 18, 2003


Joseph H. Guth
Vice President and Associate Chief Patent Counsel
Chiron Corporation & Assistant Secretary
Intellectual Property
4560 Horton Street
Emeryville, California 94608

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PATENT

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**In Re Application of:
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Confirmation No.: 2510

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Group Art Unit: 1647

Filing Date: July 12, 2000

Examiner: Christine J. Saoud

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Commissioner of Patents and Trademarks
Washington DC 20231

STATEMENT UNDER 37 CFR § 3.73(b)

Chiron Corporation, a corporation of the State of California,
states that it is:

- ☐ the assignee of the entire right, title, and interest; or
- ☒ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above.
 - ☐ 1. The assignment was recorded in the Patent and Trademark Office at Reel, Frame(s).
 - ☒ 2. The assignment has not yet been recorded. A copy of the assignment is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

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☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: June 18, 2003


Signature

Name: Joseph H. Guth

Title: Vice President and

Associate Chief Patent Counsel, Asst. Secretary

CHIRON CORPORATION

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

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ASSIGNMENT

WHEREAS, We, Cynthia COWGILL, Luis JUARBE-OSORIO, Patricio RIQUELME and Glenn DORIN, hereinafter referred to as **ASSIGNORS**, have co-invented certain improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: **IGF-1 PURIFICATION PROCESS**

Date of Execution:

Filing Date: July 12, 2000

Serial No: 09/614,947

WHEREAS, **CHIRON CORPORATION**, located at 4560 Horton Street, Emeryville, California 94608-2916, hereinafter referred to as **ASSIGNEE**, is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for and in consideration of the sum of One Dollar (\$1.00) lawful money paid to **ASSIGNORS** by **ASSIGNEE**, receipt of which is hereby acknowledged, **ASSIGNORS** have sold, assigned and transferred, and by these presents do sell, assign and transfer unto said **ASSIGNEE**, and **ASSIGNEE'S** successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions (including conversions claiming priority under 35 U.S.C. § 119(e)), reissues, prolongations or extensions thereof, the said interest to be held and enjoyed by said **ASSIGNEE** as fully and exclusively as it would have been held and enjoyed by said **ASSIGNORS** had this assignment and transfer not been made, to the full end and term of any Letters Patent.

ASSIGNORS also agree that the U.S. serial number and the filing date may be entered above by **ASSIGNEE** or its agents upon designation of the serial number and the filing date by the U.S. Patent and Trademark Office.

ASSIGNORS further agree that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as ASSIGNEE lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE, or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to this assignment on the dates indicated below.

INVENTOR: Cynthia COWGILL

DATE 4/04/03

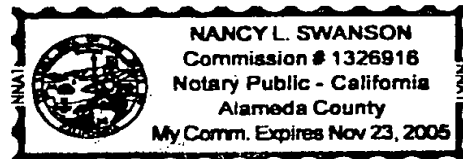
Cynthia Cowgill
Signature

State of California

County of Alameda

On 4/04/03 before me, Mary L. Swanson Notary Public, personally appeared Cynthia Cowgill, personally known to me OR proved to me on the basis of satisfactory evidence to be the person whose name is subscribed to the within instrument and acknowledged to me that he/~~she~~/they executed the same in his/~~her~~/their authorized capacity(ies), and that by his/~~her~~/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.



Mary L. Swanson
Signature of Notary Public

Notary Seal

INVENTOR: Luis JUARBE-OSORIO

DATE 26 April 2003

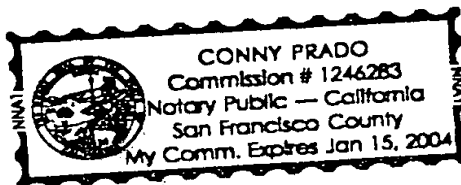
Luis Juarbe-Osorio
Signature

State of California
County of California

On 04/26/03 before me, Conny Prado, Notary Public,
personally appeared Luis Juarbe-Osorio, personally known to me OR
proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.

WITNESS my hand and official seal.


Conny Prado
Signature of Notary Public



Notary Seal

INVENTOR: Patricio RIQUELME

DATE 9 April 2003

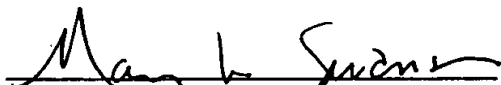

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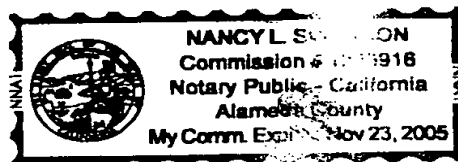
State of California

County of Alameda

On 4/9/2003 before me, Nancy L. Swanson, Notary Public,
personally appeared Patricio Riquelme, personally known to me OR
proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the within instrument and acknowledged to me that ~~he/she/they~~
executed the same in his/~~her/their~~ authorized capacity(ies), and that by his/~~her/their~~
signature(s) on the instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.

WITNESS my hand and official seal.


Signature of Notary Public



Notary Seal

INVENTOR: Glenn DORIN

DATE 31 March 03

[Signature]
Signature

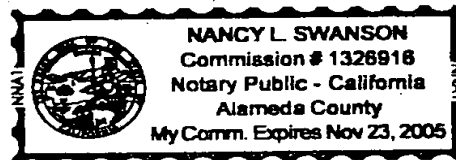
State of California

County of Alameda

On 3/31/03 before me, Nancy L. Swanson, Notary Public,
personally appeared Glenn Dorin, personally known to me OR
proved to me on the basis of satisfactory evidence to be the person whose name is
subscribed to the within instrument and acknowledged to me that he/she/they
executed the same in his/her/their authorized capacity(ies), and that by his/her/their
signature(s) on the instrument the person(s), or the entity upon behalf of which the
person(s) acted, executed the instrument.

WITNESS my hand and official seal.

[Signature]
Signature of Notary Public



Notary Seal